

The Beocom 5000 is a portable cordless handset with keypad and a base unit which has to be connected to the public line or a switchboard. Whenever you make a telephone call, a link is established connecting the handset and base station via a radio channel. The batteries in the handset are recharged when the handset is placed in the base unit.

Handset and base unit adapt to each other in order to prevent anyone using other cordless telephones from listening in to your calls or making calls at your expense.

The BeoCom 5000 is available in two versions: The basic model with many practical facilities, and the advanced model which in addition has a remote control function for volume adjustments on Bang & Olufsen audio, video and A/V systems.

This manual covers both versions.

## **INSTALLATION**

### **CONNECTION**

- Plug the telephone cord into the telephone wall socket.
- Connect the power supply to the mains.
- The cordless telephone is ready for use (stand-by position).

Please note! Your BeoCom 5000 will not function if the mains unit is not plugged in or if the power supply fails.

### **LOCATION**

In order to obtain the best possible radio range place the base unit as high up and isolated as possible. Do not place the telephone in a dusty or dirty room. Do not expose the telephone to excessive moisture and avoid that the charging contacts on the handset come into contact with metallic elements or greasy parts.

### **BATTERIES**

The batteries are used for telephoning only, while the memory is independent of batteries. After unpacking the telephone, the batteries may be discharged. Therefore, it may be necessary to recharge the batteries before using the telephone.

Place the handset in the base unit for charging. Note that the signal lamp of the base unit flashes green when the batteries are being charged. When the lamp lights green the batteries are fully charged.

When you hear slow beeps from the handset you should place it in the base unit for recharging. Quick beeps indicate that the batteries are almost discharged. The charging time for batteries almost discharged is approx. 9 hours.

Fully charged, new batteries have capacity for 24 hours stand-by, or 4 hours talk time. The lifetime of the batteries is enhanced by placing the handset in the base unit only when recharging is necessary; i.e. when you hear the beeps from the handset.

#### BRIEF MANUAL/DIRECTORY

The brief manual/directory for code numbers may be placed in the groove at the top of the base unit. To release this manual push the button on the left of the base unit.

INSTALLATION

KEYPAD FUNCTIONS ↓

## KEYPAD FUNCTIONS

Each key has various functions:

- The function printed on the key
- The function printed below the key
- The function printed above the key

The texts below the keys relate to telephone functions whereas the texts above the keys relate to volume adjustments on Bang & Olufsen audio, video and A/V systems.

ON/OFF:

SET OFF



Switch off the handset

Switch on the handset (stand-by)

STAND-BY POSITION (handset switched on):



Answer/close a call

Get a new dial tone

Disconnect/erase current programming

<b>SET OFF</b>	Switch off the handset
<b>SET ENTER</b>	Store a telephone number, and store a public line prefix
<b>SET LOCK</b>	Connect/disconnect the keypad lock
<b>SET TONE</b>	No function
<b>SET PROG</b>	Programming the basic settings
<b>SET SCRAMB</b>	Connect/disconnect the scrambling
<b>SET CLICK</b>	Disconnect/connect the key sound
<b>SET RING HS</b>	Set the tone ringer of the handset
<b>SET PAGING</b>	Internal ringing signal (paging)
<b>SET RING BS</b>	Set the tone ringer of the base unit
<b>^ VIDEO</b>	Increase the volume of the video system
<b>▽ VIDEO</b>	Decrease the volume of the video system
<b>^ AUDIO</b>	Increase the volume of the audio system
<b>▽ AUDIO</b>	Decrease the volume of the audio system

## KEYPAD FUNCTIONS DURING TELEPHONING:

<b>0 .. 9, *, #</b>	Enter telephone numbers
<b>RDL</b>	Last number redial
<b>MEM 0 .. 9</b>	Call a phone number in memory
<b>R</b>	Flash (switchboard use)
<b>SET SCRAMB</b>	Connect/disconnect the scrambling
<b>SET MIC</b>	Disconnect/connect the microphone
<b>SET PAGING</b>	Internal ringing signal (paging)
<b>SET VOLUME</b>	Set the volume of the handset
<b>SET SET ^ VIDEO</b>	Increase the volume of the video system
<b>SET SET √ VIDEO</b>	Decrease the volume of the video system
<b>SET SET ^ AUDIO</b>	Increase the volume of the audio system
<b>SET SET √ AUDIO</b>	Decrease the volume of the audio system

## SIGNAL LAMPS

### SIGNAL LAMP OF THE HANDSET

Short green flashes	Handset switched on and ready for use (stand-by)
Short red flashes	Keypad locked
Green light	Connection via radio channels established/scrambling connected
Red light	Connection via radio channels established/scrambling disconnected
Orange light	Alternative keypad function activated
Green flashes	Microphone muted/scrambling connected
Red flashes	Microphone muted/scrambling disconnected
Orange flashes	Volume adjustment on A/V systems
Off	Handset switched off, or batteries low

### SIGNAL LAMP OF THE BASE UNIT

Green flashes	Batteries being recharged
Green light	Batteries fully recharged
Red light	Connection via radio channels established

## SIGNAL LAMPS

## MAKING A CALL

### CALLING A NUMBER DIALLED

Press 

Wait for the dial tone

Press the phone number

Signal lamp:

Red or green light

### CLOSING A CALL

Press  or

place the handset on the base  
unit

Short green flashes

## **REDIALLING**

### **REDIALLING THE LAST NUMBER DIALLED**

Press 

Press **RDL**

Red or green light

The number in redial is deleted

- by entering a new digit.
- when the handset is switched off.
- when the batteries are discharged.
- when the batteries are removed.

## **VOLUME OF THE HANDSET**

During conversation the volume of the handset can be set to normal or high level.

After conversation, the setting will remain active.

### **SETTING THE VOLUME DURING CONVERSATION**

Press **SET**

Press **VOLUME**

Orange light

Red or green light

## **MAKING A CALL**

## **REDIALLING**

## **VOLUME OF THE HANDSET**

## INCOMING CALLS

### ANSWERING A CALL

The telephone rings

Press 

Signal lamp:

Red or green light

### CLOSING A CALL

Press 

or

place the handset on the base  
unit

Short green flashes

## DIRECT ACCEPTANCE

With the direct acceptance function connected you need not press  to answer a call after lifting the handset off the base unit.

## CONNECT DIRECT ACCEPTANCE

Press **SET** Orange light

Press **PROG**

Press **902**

Press **SET**

Short green flashes

## DISCONNECT DIRECT ACCEPTANCE

Press **SET** Orange light

Press **PROG**

Press **903**

Press **SET**

Short green flashes

## INCOMING CALLS

## THE TELEPHONE'S MEMORY ↓

## THE TELEPHONE'S MEMORY

BeoCom 5000 memorizes 10 telephone numbers which can be stored under the code numbers 0 to 9.

Cancelling entries:

Press  and start all over again.

A new entry erases an old one.

If your telephone is connected to a switchboard we recommend you to see the clause SWITCHBOARD before storing.

### STORING

Press **SET**

Press **ENTER**

Press the code number (0-9)

Press the phone number

Press **SET**

Signal lamp:  
Orange light

Short green flashes

### DIALLING A PHONE NUMBER IN MEMORY

Press 

Press **MEM**

Press the code number

Red or green light

By storing telephone numbers when it is necessary to wait for a new dial tone before calling the 2nd part of the number, only the 1st part of the number will be stored.

When calling, the 2nd part of the number has to be manually dialled after the new dial tone.

A new dial tone may occur by e.g. foreign numbers, telephone services and numbers followed by an extension number.

## DELETING A PHONE NUMBER IN MEMORY

Press **SET**      Orange light

Press **ENTER**

**Press the code number**

Press **SET**

Orange light

Short green flashes

## DELETING ALL PHONE NUMBERS IN MEMORY

Press **SET**      Orange light

**Press PROG**

Press 251

Press **SET**

## Orange light

Short green flashes

## **TONE RINGER**

You can set the tone ringer of the handset as well as the base unit according to your choice:

In order to facilitate the setting of the tone ringer the level is audible until a new entry is made.

### **SETTING THE TONE RINGER OF THE HANDSET**

Press **SET**

Press **RING HS**

Press **1...5** (volume)

Press **6...9** (cycle speed)

Press **\*, 0, #** (melody)

Press **SET**

Signal lamp:  
Orange light

Short green flashes

SETTING THE TONE RINGER OF THE  
BASE UNIT

Press **SET** Orange light

Press **RING BS**

Press **1...5** (volume)

Press **6...9** (cycle speed)

Press **\*, 0, #** (melody)

Press **SET**

Short green flashes

TONE RINGER

SCRAMBLING ↓

KEY LOCK ↓

## SCRAMBLING

Your BeoCom 5000 gives you the possibility of scrambling the voice communication on the radio link between the handset and the base station. This makes it difficult to listen in to the cordless communication with the aid of electronic equipment.

The scrambling function may be connected/disconnected before a call as well as during a call.

Please note! Activating the scrambling function may result in slight degradation of the handset reception quality.

CONNECTING/DISCONNECTING THE SCRAMBLING  
Press **SET**  
Press **SCRAMB**

The signal lamps during telephoning:  
Scrambling connected  
Scrambling disconnected

Signal lamp:  
Orange light  
Short green flashes

Green light  
Red light

## KEY LOCK

You can lock the keypad so that unintentional key entries have no effect.

This is useful when you, for example, are carrying the phone in a pocket or a handbag.

It is still possible to answer a call, however, making calls is not possible until you have unlocked the keypad again.

### LOCKING THE KEYPAD

Press **SET**

Press **LOCK**

Orange light  
Short red flashes

### UNLOCKING THE KEYPAD

Press **SET**

Press **LOCK**

Orange light  
Short green flashes

## MICROPHONE

The microphone can be muted temporarily so that you can make an aside to somebody else in the room without the person at the other end hearing you.

### MUTING THE MICROPHONE

Press **SET**

Press **MIC**

Signal lamp:

Orange light

Red or green flashes

### CONNECTING THE MICROPHONE

Press **SET**

Press **MIC**

Orange light

Red or green light

## KEY SOUND

If you do not want every keypress to be heard you may disconnect this function.

Independent of the key sound setting, incorrect or incomplete entries will activate an acoustic error signal.

### DISCONNECTING/CONNECTING THE KEY SOUND

The telephone is stand-by

Press **SET**

Press **CLICK**

Short green flashes

Orange light

Short green flashes

## **INTERNAL RINGING SIGNAL (PAGING)**

You can transmit an internal acoustic signal from the base unit to the handset:

**PAGING FROM BASE UNIT TO HANDSET**  
Press the button at the front of the base unit.

Signal lamp:  
Red light

Furthermore, you can transmit an internal acoustic signal from the handset to the base unit:

**PAGING FROM HANDSET TO BASE UNIT**  
Press **SET**  
Press **PAGING**

Orange light  
Red or green light

BeoCom 5000 works as a traditional telephone subset in parallel. This allows for transfer of calls or conferencing.

**MICROPHONE**

**KEY SOUND**

**INTERNAL RINGING SIGNAL**

## HANDSET ON/OFF

If you do not want to be disturbed by incoming calls you may switch off the handset.

When the handset is switched off it is impossible to make any telephoning or volume adjustments on A/V systems.

Please note! The tone ringer of the base unit is still active.

When the handset has been switched off as described above you have to switch it on again:

Please note! The handset is always switched on when it is placed in the base unit.

### SWITCHING OFF THE HANDSET

Press **SET**

Press **OFF**

Signal lamp:  
Orange light  
Off

### SWITCHING ON THE HANDSET

Press 

One orange flash followed by short green flashes

## VOLUME ADJUSTMENT

With BeoCom 5000 you are able to remote control the volume adjustments on all recent Bang & Olufsen audio, video and A/V systems. The operation depends on the state of the telephone: stand-by or during telephoning.

Volume adjustments on A/V equipment with BeoCom 5000 in stand-by position (handset switched on):

### VOLUME ADJUSTMENTS IN STAND-BY

#### POSITION

Press  $\wedge$  VIDEO or

Press  $\vee$  VIDEO or

Press  $\wedge$  AUDIO or

Press  $\vee$  AUDIO

Signal lamp:  
Orange flashes  
Orange flashes  
Orange flashes  
Orange flashes

Volume adjustments on A/V equipment with Beocom 5000 during telephoning:

### VOLUME ADJUSTMENTS DURING TELEPHONING

Press SET SET

Orange flashes

Press  $\wedge$  VIDEO

or

Press SET SET

Orange flashes

Press  $\vee$  VIDEO

or

Press SET SET

Orange flashes

Press  $\wedge$  AUDIO

or

Press SET SET

Orange flashes

Press  $\vee$  AUDIO

Please note! During volume adjustments the keypad sound will always be disconnected.

The keypad returns to telephoning functions after about 20 seconds or when SET has been pressed.

HANDSET ON/OFF

VOLUME OF A/V SYSTEMS

## **SWITCHBOARD**

If BeoCom 5000 is connected to a switchboard it is often necessary to enter a pause between the public line prefix and the telephone number.

BeoCom 5000 inserts this pause automatically when it is once stored into the telephone together with the public line prefix.

When entering numbers into the memory the public line prefix has to be entered too.

### **STORING THE PREFIX**

Press **SET**  
Press **ENTER**  
Press **RDL**  
Press **0**  
Press the prefix  
Press **SET**

Signal lamp:  
Orange light

Short green flashes

### **STORING THE PAUSE**

Press **SET**  
Press **PROG**  
Press **02**  
Press the pause required (1 .. 9  
seconds or 0 = unlimited wait  
for dial tone)  
Press **SET**

Orange light

Red or green light for 5  
sec. followed by short  
green flashes

## DELETING THE STORED PREFIX

Press **SET**

Orange light

**Press PROG**

Press 253

Short green flashes

Press **SET**

If the **R**-button is used for recalls subsequent key entries will be stored for redialling.

## TROUBLE SHOOTING

Symptoms	Possible cause	Correction
Making a call is not possible.	<ul style="list-style-type: none"><li>The keypad has been locked.</li><li>The handset has been switched off.</li><li>The batteries need recharging.</li></ul>	<ul style="list-style-type: none"><li>Unlock the keypad.</li><li>Switch on the handset.</li><li>Place the handset in the base unit for recharging.</li></ul>
No function.	<ul style="list-style-type: none"><li>The telephone cord has not been correctly plugged into the wall socket.</li><li>The power supply has not been correctly connected to the mains.</li></ul>	<ul style="list-style-type: none"><li>Check the telephone cord.</li><li>Check the power supply cord.</li></ul>
During switchboard: No connection or getting a wrong number when calling a number in memory.	The public line prefix has not been stored.	Store the public line prefix.

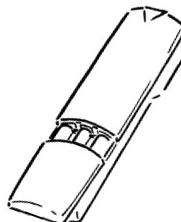
## BATTERY REPLACEMENT

A new battery pack is available as an option.

The battery cover is replaced by pressing it in and down as shown on the drawing.

New batteries need recharging before use.

The battery cover has to be mounted when the handset is placed in the base unit.



## RADIO RANGE

The radio range is up to 300 metres in the open. The range depends on the weather conditions and may vary in case of obstacles between the handset and the base unit. Indoors the range depends on walls of different types and construction. If you move out of range during a call a warning signal is heard in the handset.

## CLEANING

Use a soft cloth dipped in water containing a few drops of mild detergent.

## DATA

Power output (EIRP)		10 mW
Power supply	base unit	230 V, 50 Hz mains transformer
	handset	1 battery pack (NiCd) rated for 24 hours stand-by or 4 hours talktime.
Ambient temperature		0°C - +55°C
Relative humidity		15% - 95%
Dimensions	base unit	Height
	handset	156 mm
	base unit	Width
	handset	111 mm
	base unit	Depth
	handset	131 mm
Weight	base unit	54 mm
	handset	206 g
	base unit	396 g
	handset	

## PROGRAMMING CODES

The table below shows all possible programmings. The presettings are marked with a X.

CODE	FUNCTION	CODE	FUNCTION	CODE	FUNCTION
250	Delete all stored settings of code 258 and 098 and the tone ringer setting, and returns to the preset- tings.	033	Pulse dialling	020	Unlimited wait for dial tone.
251	Delete all phone numbers in memory.	036	Multifrequency (DTMF) dialling with earth.	021	Dial tone delay 1 sec.
253	Delete the prefix.	037	x Multifrequency (DTMF) dialling with flashes	022	Dial tone delay 2 sec.
258	Delete all phone numbers in memory and the prefix.	098	Reset all telephony parameters to presetting.	023	x Dial tone delay 3 sec.
				029	Dial tone delay 9 sec.
				902	Direct acceptance on.
				903	x Direct acceptance off.

If you enter an incorrect or incomple-  
te code you will hear an acoustic error  
signal. Press  and start all over  
again.

PROGRAMMING  
Press **SET**  
Press **PROG**  
Press the programming code  
Press **SET**

Signal lamp:  
Orange light  
  
Short green flashes

*Dear Customer,*

*Your needs as the user of our products are always given careful consideration during the design and development process, and we strive to make our products easy and comfortable to operate.*

*We therefore hope that you will take time to drop us a line, telling us about your experiences with your Bang & Olufsen telephone. Anything which you consider important - positive or negative - may help us in our constant efforts to refine our telephones.*

*Thank you!*

*Please write to:*            *Bang & Olufsen Telecom A/S*  
*Customer's Support*  
*Peter Bangs Vej 15*  
*DK-7600 Struer*  
*Denmark*

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